

CS-34 AMENDMENT 1 - CHANGE INFORMATION

The Agency publishes amendments to Certification Specifications as consolidated documents. These documents are used for establishing the certification basis for applications made after the date of entry into force of the amendment.

Consequently, except for a note 'Amdt. 34/1' under the amended paragraph, the consolidated text of CS-34 does not allow readers to see the detailed changes introduced by the new amendment. To allow readers to also see these detailed changes this document has been created. The same format as for publication of Notices of Proposed Amendments has been used to show the changes:

1. deleted text is shown with a strike through: ~~deleted~~
2. new or changed text is highlighted with grey shading: **new**
3. ... indicates that remaining text is unchanged in front of or following the reflected amendment.

Amend main cover page to read:

European Aviation Safety Agency

**Certification Specifications
and
Acceptable Means of
Compliance**

for

**Aircraft Engine Emissions
and Fuel Venting**

CS-34

Amendment 1

29 January 2013

Add Table of contents to read:

CONTENTS

CS-34

Aircraft Engine Emissions and Fuel Venting

PREAMBLE

BOOK 1 – AIRCRAFT ENGINE EMISSIONS AND FUEL VENTING REQUIREMENTS

BOOK 2 – ACCEPTABLE MEANS OF COMPLIANCE AND GUIDANCE MATERIAL

Add Preamble to read:

PREAMBLE

CS-34 Amendment 1

The following is a list of paragraphs affected by this amendment.

Title page	Amended
Contents	Contents page added
Preamble	Preamble page added

Book 2

GM 34.2 (c) to (i)	Added
GM 34.2 final section	Added

Amend Book 2 to read:

...

GM 34.2 Aircraft engine emissions

Guidance material for the application of the certification specifications for aircraft engine emissions is presented in:

- (a) for instrumentation and measurement techniques for gaseous emissions, the attachments to Appendix 3 of ICAO Annex 16, Volume II; ~~and~~
- (b) for instrumentation and measurement techniques for gaseous emissions from afterburning gas turbine engines, the attachments to Appendix 5 of ICAO Annex 16, Volume II;
- (c) for definitions and symbols, Part I of the ICAO Environmental Technical Manual, Volume II;
- (d) for emissions certification of turbojet and turbofan engines intended for propulsion only at subsonic speeds, Part III, Chapter 2 of the ICAO Environmental Technical Manual, Volume II; except for the exemption process from the NO_x emissions production cut-off requirements;
- (e) for turbojet and turbofan engines intended for propulsion at supersonic speeds, Part III, Chapter 3 of the ICAO Environmental Technical Manual, Volume II;
- (f) for smoke emission evaluation, Appendix 2 of the ICAO Environmental Technical Manual, Volume II;
- (g) for instrumentation and measurement techniques for gaseous emissions, Appendix 3 of the ICAO Environmental Technical Manual, Volume II;
- (h) for specification for HC analyser, Attachment A to Appendix 3 of the ICAO Environmental Technical Manual, Volume II; and
- (i) for specification for fuel to be used in aircraft turbine engine emission testing, Appendix 4 of the ICAO Environmental Technical Manual, Volume II.

References throughout these Certification Specifications to the ICAO Environmental Technical Manual, Volume II, refer to ICAO Doc 9501 — Environmental Technical Manual, Volume II — Procedures for the Emissions Certification of Aircraft Engines, First Edition 2010.

Amdt. 34/1